

Date: Tuesday, 12/12/2006 10:30:25 AM
 User: Kim Johnston

Process Sheet

Customer : CU-DAR001 Dart Helicopters Services
 Job Number : 29891
 Estimate Number : 12281
 P.O. Number : *N/A*
 This Issue : 12/12/2006 S.O. No. : *N/A*
 Prsht Rev. : *NC*
 First Issue : *N/A* Type : LARGE FAB ASSY
 Previous Run : 25911

Drawing Name : RIGHT ARM WELDMENT

Part Number : D3354042
 Drawing Number : D3354 REV.A
 Project Number : N/A
 Drawing Revision : A
 Material : *N/A*
 Due Date : 1/10/2007

Qty: *2* Um: Each

Written By : *[Signature]*
 Checked & Approved By : *[Signature]*
 Comment : est rev. A 06.02.09 new issue EC

Additional Product

Job Number:



Seq. #: Machine Or Operation: Description :

1.0 D33549 handle socket



Comment: Qty.: 1.0000 Each(s)/Unit Total : 6.0000 Each(s)

pick:

qty part number description batch
 1 D3354-9 Handle socket

*B29905**CPL 07-01-04**(2)*

2.0 D33541 inner shaft



Comment: Qty.: 1.0000 Each(s)/Unit Total : 6.0000 Each(s)

pick:

qty part number description batch
 1 D3354-1 Inner shaft

*B29901**CPL 07-01-04**(2)*

3.0 D33547 left arm plate



Comment: Qty.: 1.0000 Each(s)/Unit Total : 6.0000 Each(s)

pick:

qty part number description batch
 1 D3354-7 Left arm plate

*B29904**CPL 07-01-04**(2)*

4.0 D33543 shaft



Comment: Qty.: 1.0000 Each(s)/Unit Total : 6.0000 Each(s)

pick:

qty part number description batch
 1 D3354-3 Shaft

*B29902-1**CPL 07-01-04**(2)*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Tuesday, 12/12/2006 10:30:25 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: RIGHT ARM WELDMENT

Job Number: 29891

Part Number: D3354042

Job Number:



Seq. #:

Machine Or Operation:

Description :

5.0

TP134

Inventory



Comment: Qty.: 1.0000 Each(s)/Unit Total : 6.0000 Each(s)

TP-134 TENSION PIN

Batch: M16362

CPL 07-01-04 (2)

6.0

LARGE FAB 1

LARGE FABRICATION RESOURCE 1



Comment: LARGE FABRICATION RESOURCE 1

1- Weld assembly as per dwg D3354

2-Grind welds flush as per dwg D3354

CPL 07-01-04 (2)

7.0

QC9

VISUAL WELDING INSPECTION



Comment: VISUAL WELDING INSPECTION

07/01/04 (2)

8.0

QC5

INSPECT WORK TO CURRENT STEP



Comment: INSPECT WORK TO CURRENT STEP

07/01/04 (2)

9.0

POWDER COATING

POWDER COATING



Comment: POWDER COATING

1-Mask areas indicated on dwg D3354

2-Powder Coat Fire Red (Ref: 4.3.5.10) as per QSI 005 4.3

M18052

SL/FC 07/01/05 (2)

10.0

QC3

INSPECT POWDER COAT/CHEMICAL CONVERSION



Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION

am 07/01/05 (2)

11.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location: 461

07/01/05 (2) *07/01/05*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: PD Date: 27/01/08
 QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Date: Tuesday, 12/12/2006 10:30:25 AM
User: Kim Johnston

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: RIGHT ARM WELDMENT

Job Number: 29891

Part Number: D3354042

Job Number:



Seq. #:

Machine Or Operation:

Description :

12.0

QC21

FINAL INSPECTION/W/O RELEASE



2

Comment: FINAL INSPECTION/W/O RELEASE

PL 07/01/08

Job Completion



U 07.01.08

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

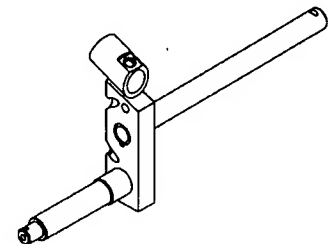
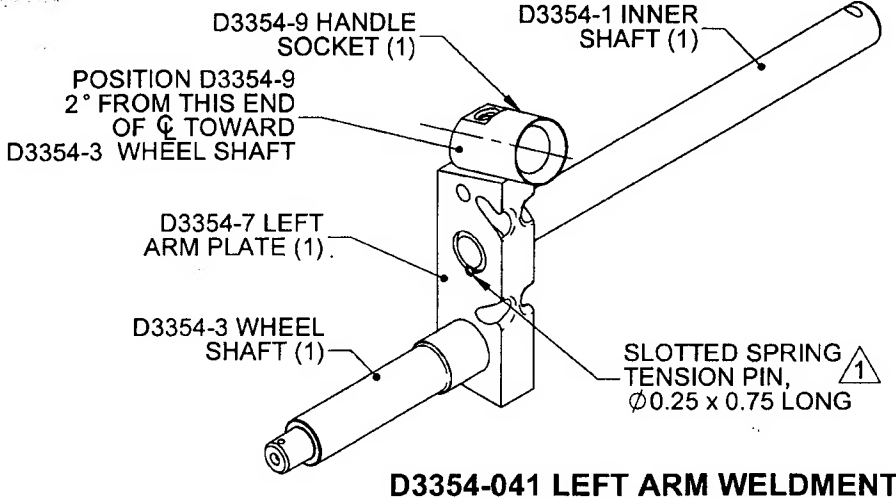
QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

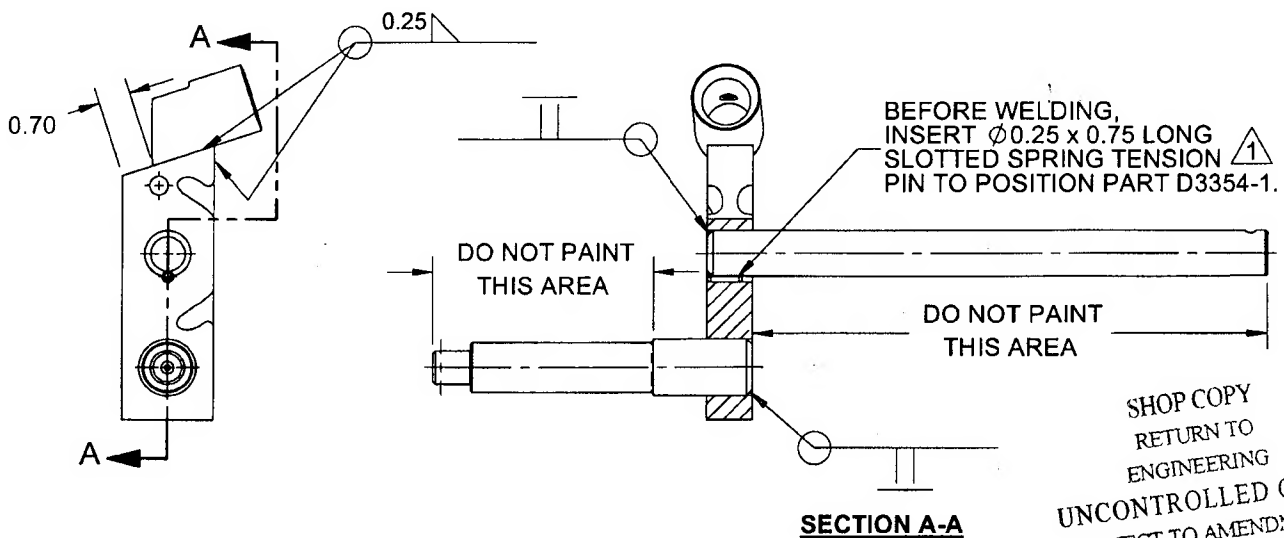
NOTE: Date & initial all entries

DART

DESIGN RF	DRAWN BY RF	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED 15	APPROVED	DRAWING NO. D3354	REV. A SHEET 1 OF 7
DATE 04.12.13		TITLE LEFT ARM WELDMENT	SCALE 1:4
A	04.12.13	NEW ISSUE	

RELEASED
56/03/07

**D3354-042 MIRROR
ARM WELDMENT**



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WORK ORDER
NO. **29891**

NOTES:

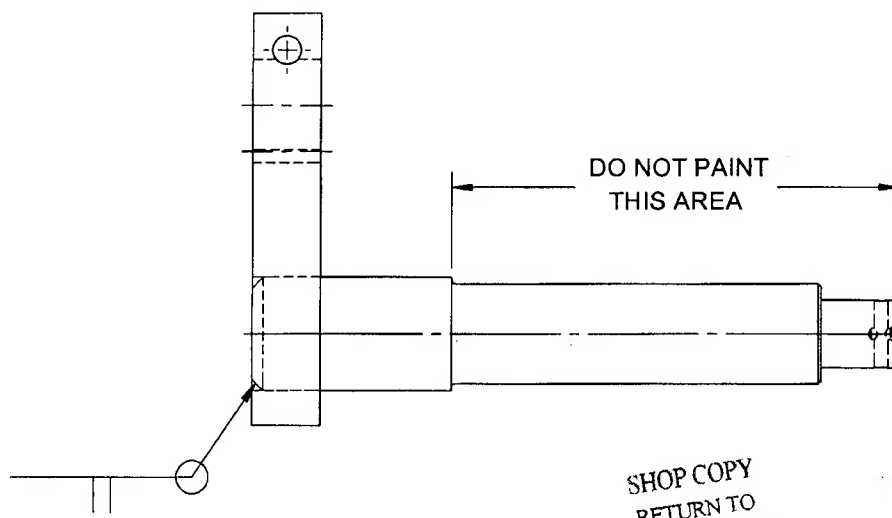
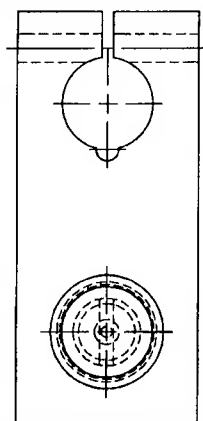
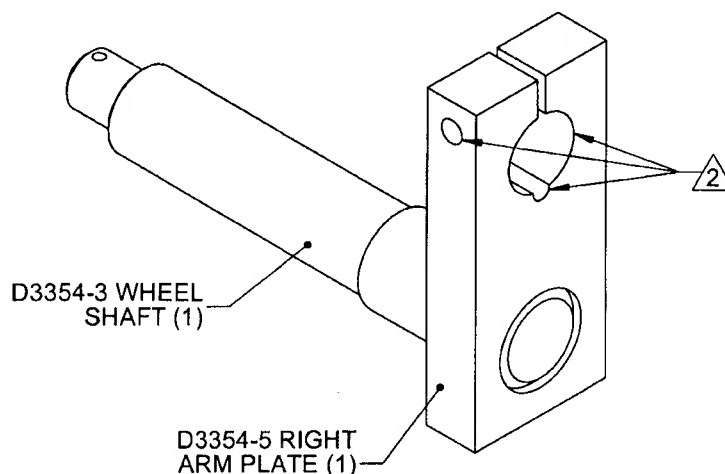
- 1) POSSIBLE SUPPLIER: SPAENAUR, P/N TP-134
- 2) WELD PER DART QSI 004
- 3) FINISH: POWDER COAT PAINT FIRE RED (4.3.5.10) PER DART QSI 005 4.3
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.010 TO 0.020

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CHECKED	APPROVED	DRAWING NO. D3354	REV. A SHEET 2 OF 7
DATE 04.12.13		TITLE LEFT ARM WELDMENT	SCALE 1:2

RELEASED
06/03/14*AKS***D3354-043 RIGHT ARM WELDMENT****NOTES:**

- 1) WELD PER DART QSI 004
- 2) COVER INSIDE HOLES PRIOR PAINTING
- 3) FINISH: POWDER COAT PAINT FIRE RED (4.3.5.10) PER DART QSI 005 4.3
- 4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 5) ALL DIMENSIONS ARE IN INCHES
- 6) BREAK ALL SHARP EDGES 0.010 TO 0.020

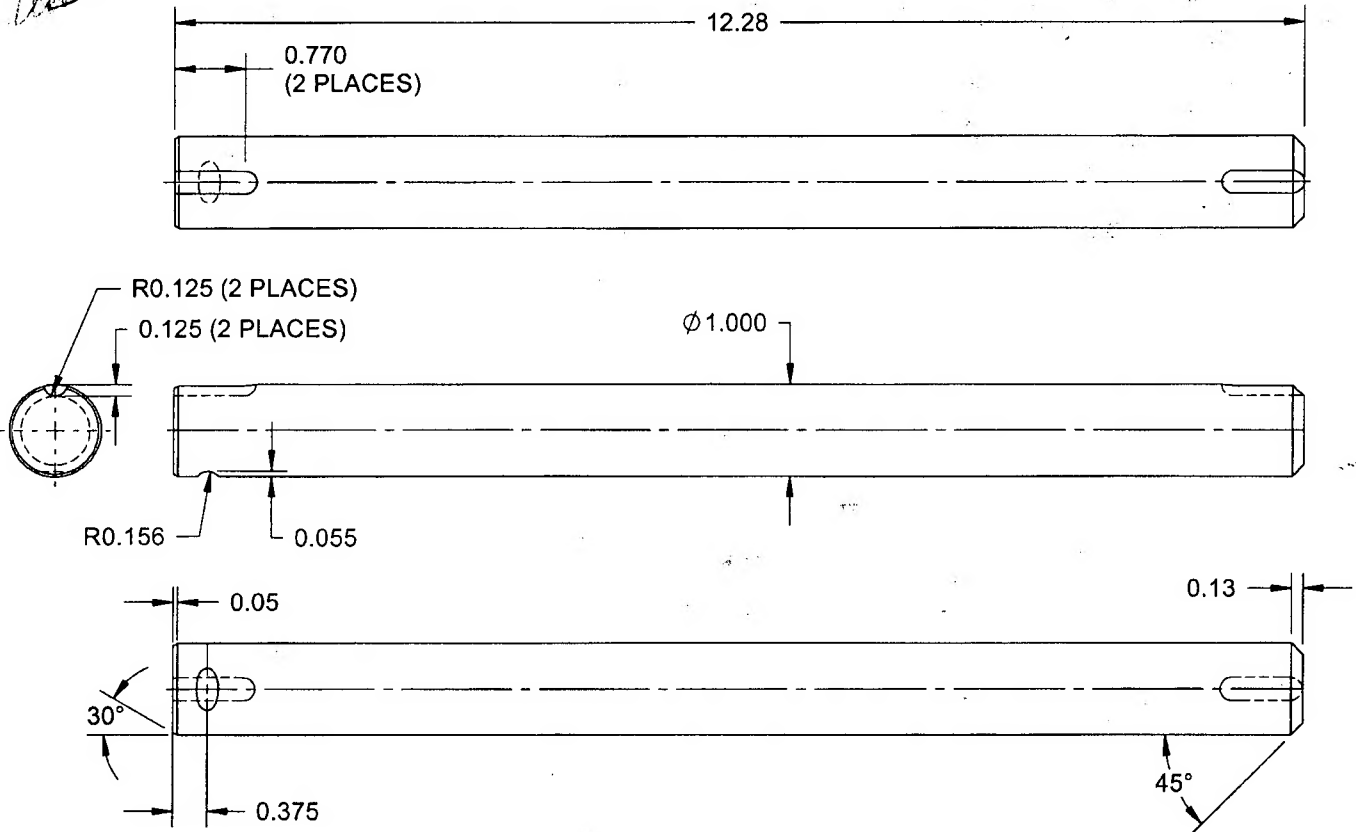
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DATE 04.12.13	TITLE LEFT ARM WELDMENT		SCALE 1:2

RELEASED
06/03/07**D3354-1 INNER SHAFT**

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NO. 29891

NOTES:

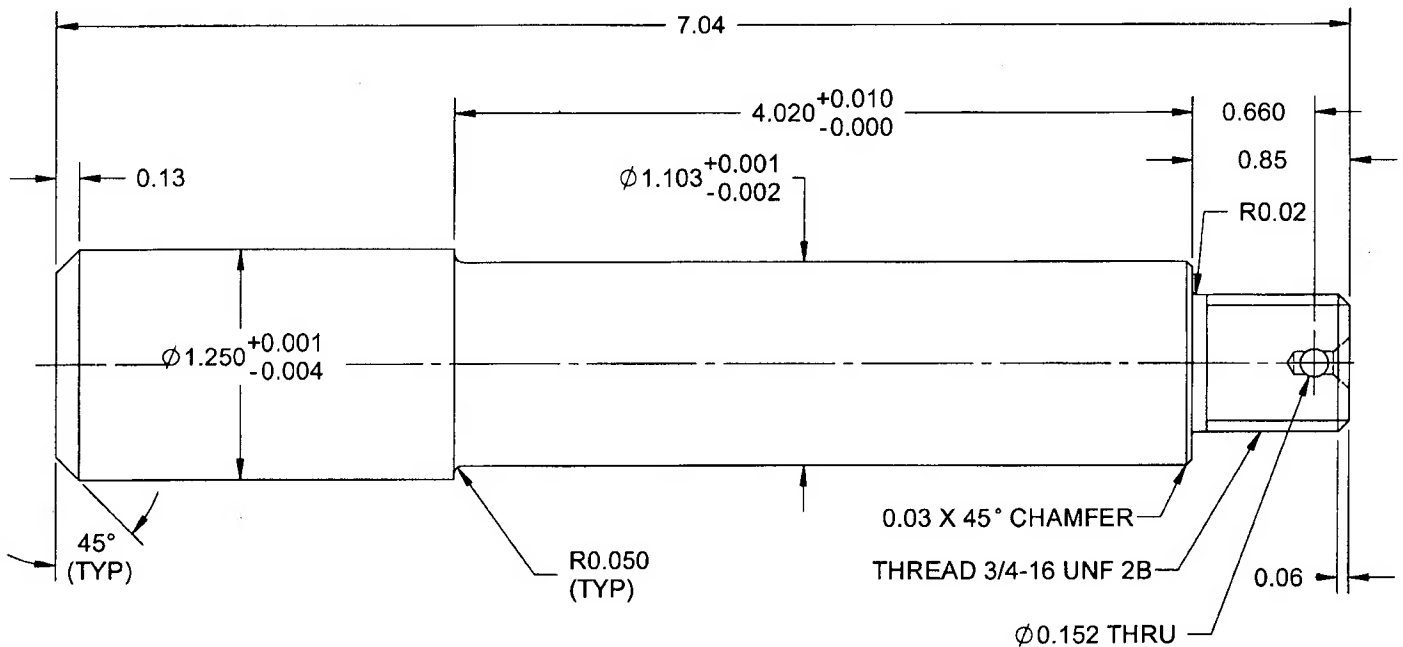
- 1) MATERIAL: AISI-4140 OR ASTM A304-02/ A-434-BC/ A193-03 - GRADE-B7/ A29-03/ A322-91
OR UNS#-G41400 ROUND BAR, Ø1.250 (REF. DART SPEC. M4140H-R)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.005 TO 0.010

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DATE 04.12.13	TITLE LEFT ARM WELDMENT		SCALE 1:1

RELEASED
[Handwritten: 06/03/14]**D3354-3 WHEEL SHAFT**

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NOTES:

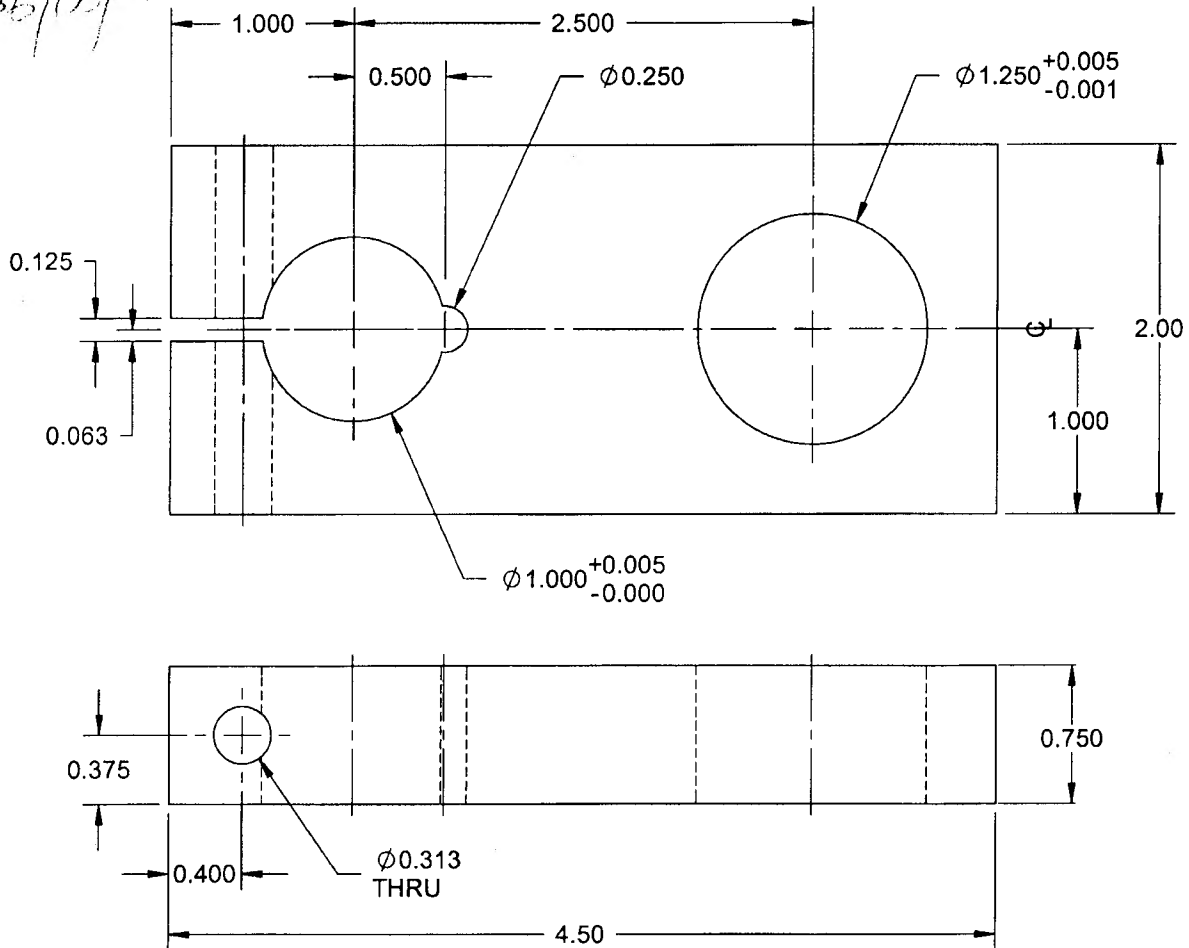
- 1) MATERIAL: AISI-4130/ AISI-4140 OR ASTM A304-02/ A-434-BC/ A193-03 - GRADE-B7/ A29-03/ A322-91 OR UNS#-G41400 ROUND BAR, $\phi 1.250$ (REF. DART SPEC. M4140H-R)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.010 TO 0.020

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DATE 04.12.13	TITLE LEFT ARM WELDMENT		SCALE 1:1

RELEASED
[Signature]
06/03/14**D3354-5 RIGHT ARM PLATE****NOTES:**

- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR CSA G40.21, 38W/44W/50W/60W/70W, 0.75 THICK MILD STEEL BAR (REF. DART SPEC. M1010-B)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.010 TO 0.020

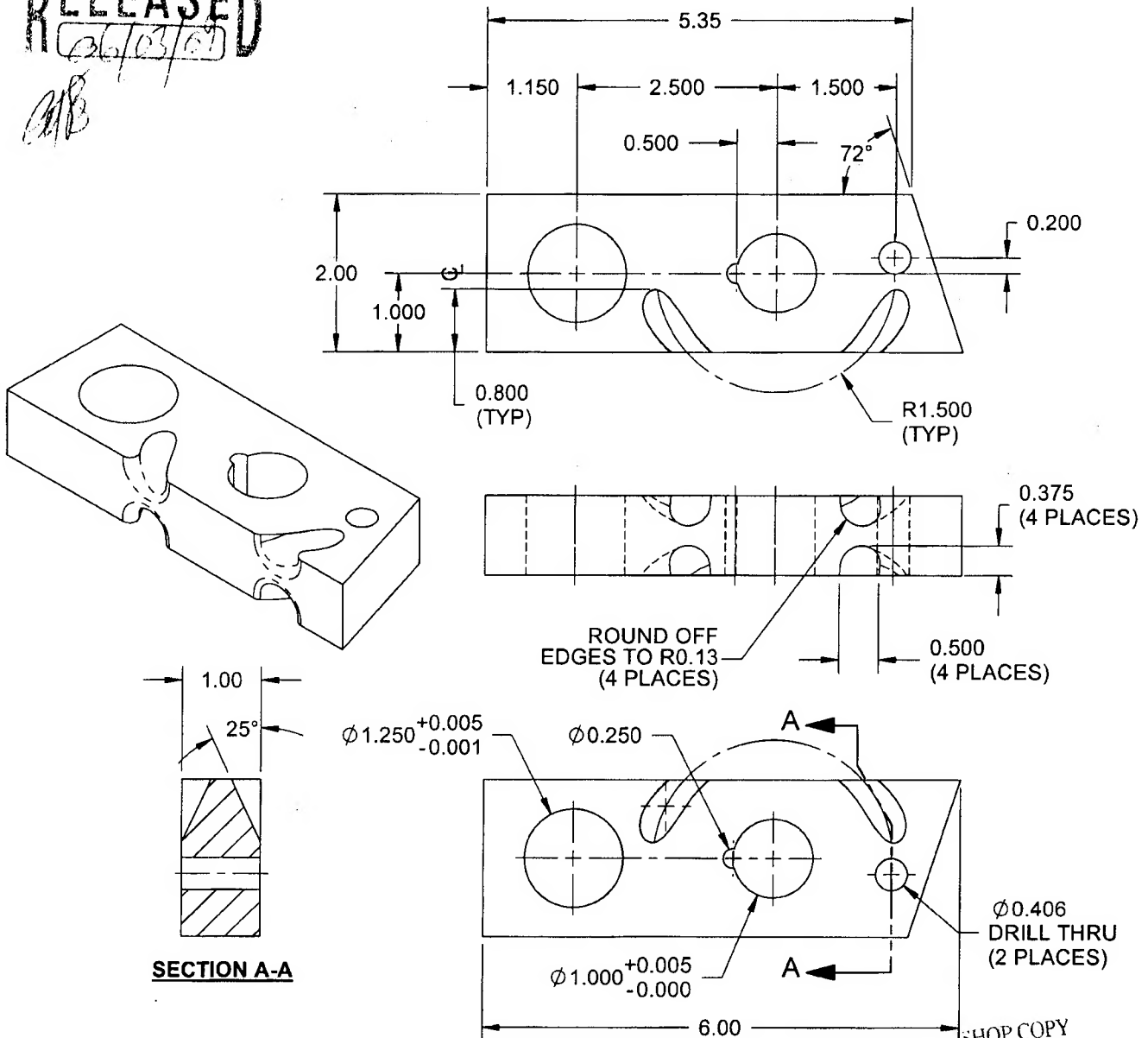
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DATE 04.12.13	TITLE LEFT ARM WELDMENT		SCALE 1:2

RELEASED
26/03/09**D3354-7 LEFT ARM PLATE****NOTES:**

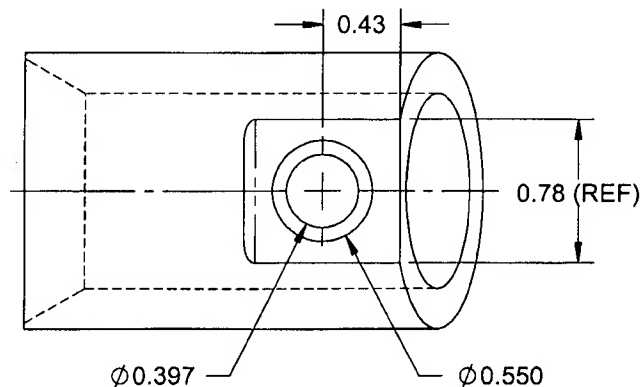
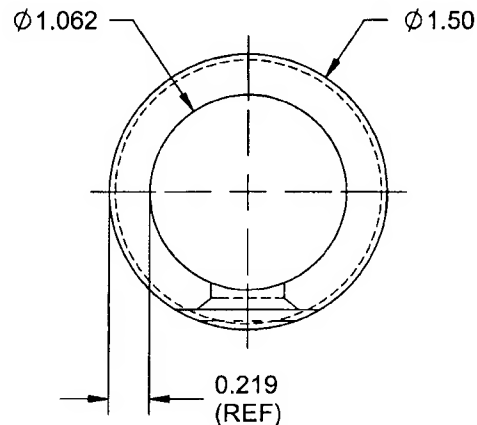
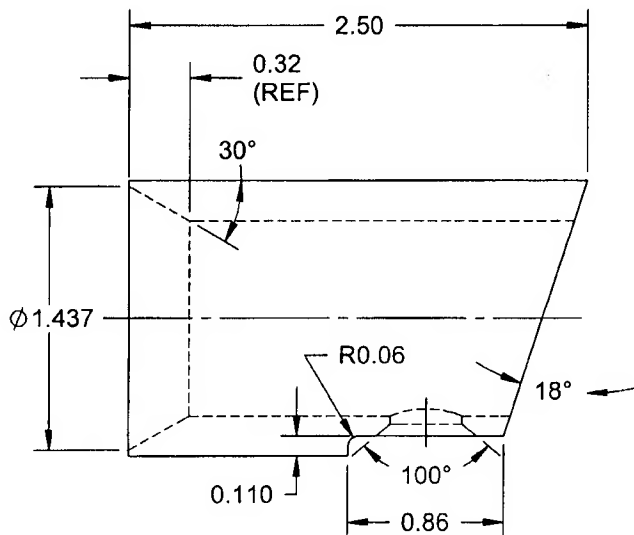
- 1) MATERIAL: AISI 1010-1025 OR ASTM A36/A366/A569/A570 OR CSA G40.21, 38W/44W/50W/60W/70W, 1.00 THICK MILD STEEL BAR (REF. DART SPEC. M1010-B)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.010 TO 0.020

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CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D3354	REV. A SHEET 7 OF 7
DATE 04.12.13	TITLE LEFT ARM WELDMENT		SCALE 1:1

**D3354-9 HANDLE SOCKET****NOTES:**

- 1) MATERIAL: AISI 1010-1025 SEAMLESS ROUND TUBING PER MIL-T-5066 OR
ASTM A513-00 MT1020 SRA OR AMS 5075 OR AMS 5077,
(REF. DART SPEC. M1020TR1.250W.219)
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES
- 4) BREAK ALL SHARP EDGES 0.010 TO 0.020

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